

REMARKS,

The Examiner requires a new title that is clearly indicative of the invention to which the claims are directed.

The Examiner has objected to the drawings under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the feature of "a display element" as recited in claim 1, "a signal acquisition circuitry" as recited in claim 4 and 11, and "a back termination circuit" as recited in claim 8 must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

The Examiner has objected to claims 4, 7, 11 and 14 because of the following informalities:

In claims 4 and 11, it is unclear what "signal acquisition circuitry" represents. It appears that the circuitry is not shown in any drawings.

In claims 7 and 11, "the detection device" and "analog-to-digital converters" respectively should be "a detection device" and analog-to-digital-converters respectively.

Appropriate correction is required.

The Examiner has rejected claims 8-14 under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 8, it is unclear what "a back termination circuit" represents and what does this circuit constitute in order to terminate the output of the input device in the proper output termination in response to the output from the determining means. It appears that this is not shown in any of the drawings?

The dependent claims not specifically addresses share the same indefiniteness as they depend from the rejected base claims.

Claims 1-3, 5-6 are allowable since the prior art does not disclose an output termination auto detect circuit having means for determining the output termination of the input device as function of at least two digital values representative of the voltage at a common node, the reference resistance and the voltage of the signal source and for generating an output when the output termination of the input device is improperly terminated and a display element (LED) coupled to the determining means for providing a visual indication of an improper output termination of the input device.

The prior art made of record and not relied upon is considered pertinent to Applicant's disclosure.

Rubis (Pat # 3,771,038) discloses drift correcting servo.

Moriyasu (Pat # 5,034,698) discloses dual path wideband and precision data acquisition system.

Mende et al. (Pat # 6,817,760) disclose method of monitoring current probe transformer temperature.

Applicants' have amended the specification to correct for typographical errors found therein.

Regarding the Examiner's objection to the title of the invention, Applicants have amended the title to more clearly indicate the invention to which the claims are directed. Applicants have amended the specification to conform to the title of the invention. Applicants' have further amended the preambles of claims 1-7 to conform to the title of the invention.

Regarding the Examiner's objections to claims 4 and 11, Figure 4 of the drawing figures shows an embodiment of the "signal acquisition circuitry" consisting of the current probe 12, the Hall Device circuitry 24, 30, 32, 34 and the AC/DC switching circuit 36 of the AC/DC current probe system 12 coupled to switch 57 of the output termination auto detection circuit 56. Applicants have amended the specification to more clearly point out that portions of the AC/DC current probe system 10 represent the "signal acquisition circuitry" as recited claims 4 and 11.

Regarding the Examiner's objections to claims 7 and 14, Applicants have amended claim 7 to recite "the detection device" and "analog-to-digital converter" as suggested by the Examiner.

Regarding the Examiner's rejection of claims 8-14 under 35 U.S.C. 112, second paragraph, Applicants has cancelled claims 8-14 to overcome the Examiner' rejection.

Applicants have not made corrections to the drawing figures in that an embodiment of the "signal acquisition circuitry" is shown in Figure 4 of the drawing figures.

In view of the amendments to title, the specification, claims 1-7, and the cancellation of claims 8-14, Applicants respectfully request that the Examiner withdraw the objections to the title, drawings, claim 4 and 7, allow claims 1-7 and pass this case to issue.

In accordance with current Patent Office practice, the Examiner is expressly authorized to call the undersigned agent at the number listed below if it is deemed the application is in other than condition for allowance or if prosecution can be expedited.

Respectfully submitted,

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